

AMENDMENTS

Listing of Claims:

1-33 (canceled)

- 34. (new) A method of inhibiting the formation of inhibin/betaglycan complexes on the surface of a cell by contacting the cell with an anti-betaglycan antibody.
- 35. The method of claim 34, wherein activin-induced signaling in the cell is increased.
- 36. (new) The method of claim 35, wherein the cell is a pituitary cell.
- 37. (new) The method of claim 36, wherein the pituitary cell increases production of follicle stimulating hormone (FSH).
- 38. (new) The method of claim 34, wherein the method is used to treat reproductive, developmental, skin, bone, hepatic, hematopoietic or central nervous system disorders.
- 39. (new) The method of claim 38, wherein the method is used to treat a reproductive disorder.
- 40. (new) The method of claim 39, wherein the reproductive disorder is reduced fertility.